

42-530 Removal and installation of brake shoes of parking brake

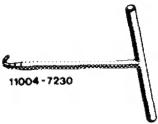
Data

Brake shoe dia.	160-0.2
ID of brake disc	160 + 0.2
Brake shoe width	25

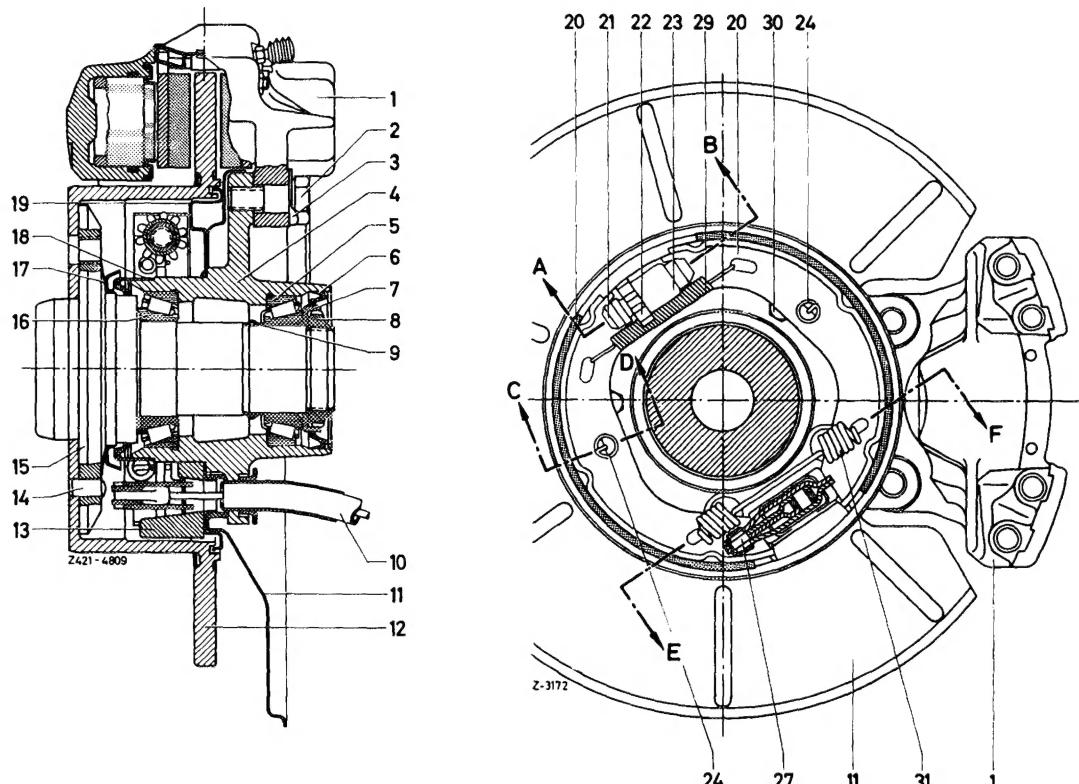
Lubricants

Molykote Paste U	Molykote Paste G Rapid	Liqui Moly Paste 36
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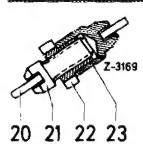
Special tools

Remover and installer for return spring  116 589 01 62 00

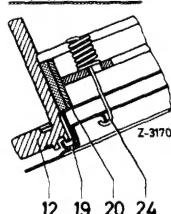
Installation tool for draw spring  112 589 09 61 00



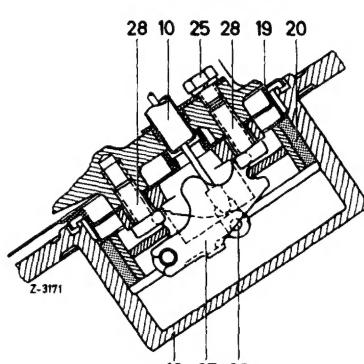
Schnitt A - B



Schnitt C - D



Schnitt E - F



1 Caliper
 2 Hex. bolt
 3 Locking plate
 4 Wheel carrier
 5 Inside tapered roller bearing
 6 Radial sealing ring, inner
 7 Sealing ring
 8 Slot nut
 9 Spacing sleeve

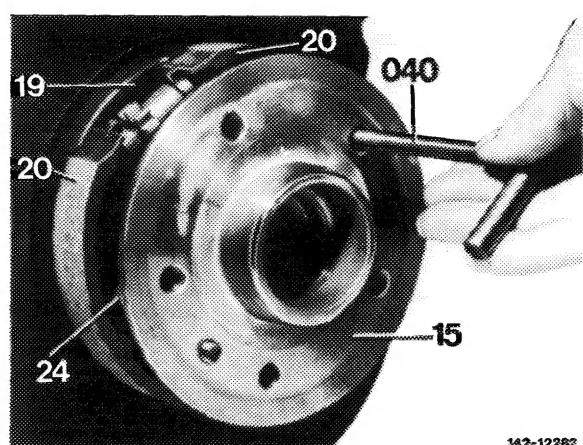
10 Brake cable control
 11 Cover plate
 12 Brake disc
 13 Brake carrier
 14 Fitted pin
 15 Rear axle shaft flange
 16 Outside tapered roller bearing
 17 Dust cap
 18 Radial sealing ring, outer

19 Cover ring
 20 Brake shoes
 21 Thrust piece
 22 Adjusting wheel
 23 Thrust sleeve
 24 Draw spring
 25 Hex. bolt with snap ring

26 Bolt
 27 Expanding lock
 28 Hex. socket bolt
 29 Upper restoring spring
 30 Hex. bolt with snap ring
 31 Lower restoring spring

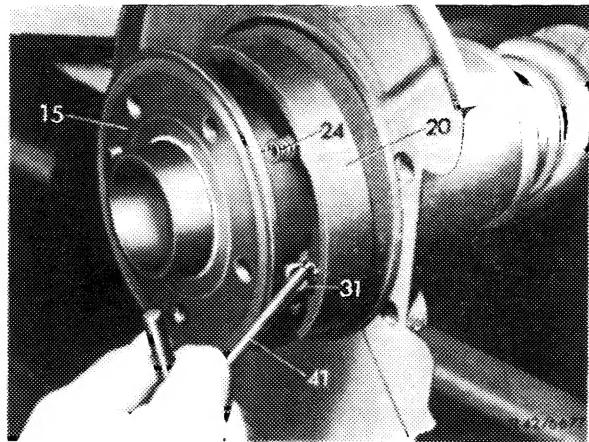
Removal

- 1 Remove brake disc (42-228).
- 2 Turn rear axle shaft flange (15) in such a manner that one threaded hole faces spring (24). Then slightly compress spring with installation tool (040), turn tool by approx. 90°, then disconnect spring from cover ring and remove.
- 3 Remove spring on other brake shoe likewise.

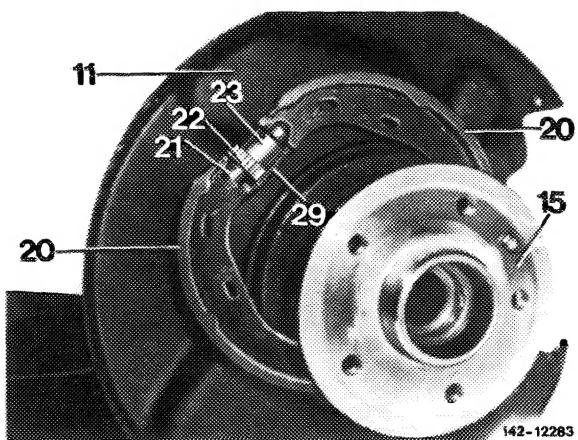


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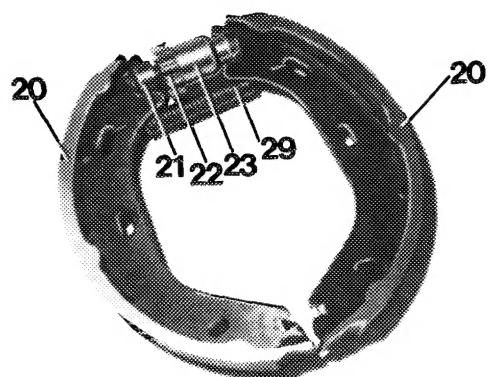
4 Disconnect restoring spring (31) with remover and installer (41) from brake shoe (20).



5 Pull both brake shoes (20) apart until they can be removed over rear axle shaft flange (15).



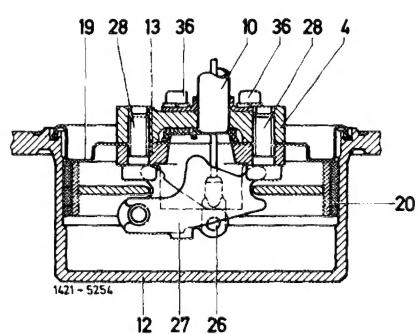
6 Disconnect restoring spring (29) from brake shoe (20) and remove adjusting device (21 to 23).



7 Push bolt (26) out of expanding lock (27) and remove expanding lock from brake cable control (10).

4 Wheel carrier
10 Brake cable control
12 Brake disc
13 Brake carrier
19 Cover ring
20 Brake shoes

26 Bolt
27 Expanding lock
28 Hex. socket bolt
36 Hex. socket bolt with snap ring



Installation

8 Coat all bearings and sliding surfaces on expanding lock with specified lubricant (refer to table), attach brake cable control (10) to expanding lock (27) by means of bolt (26). Then push expanding lock toward cover ring (19).

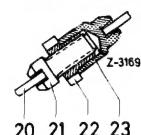
9 Check tightening torque of both hex. socket screws for fastening brake carrier (13) (tightening torque 50 Nm).

Note: Self-locking hex. socket screws are installed starting October 1978. **Hex. socket screws may be used only once.** For tightening and loosening, use a 7 mm Allen wrench.

10 Coat threads of thrust piece (21) and cylindrical portion of adjusting wheel (22) with specified lubricant (refer to table). Assemble adjusting device and turn completely back.

20 Brake shoes
21 Thrust piece
22 Adjusting wheel
23 Pressure sleeve

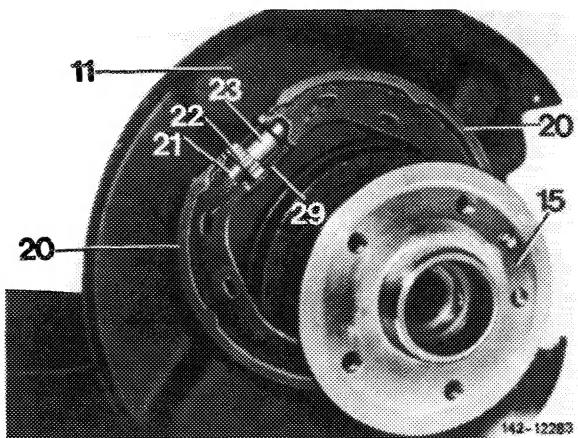
Schnitt A - B



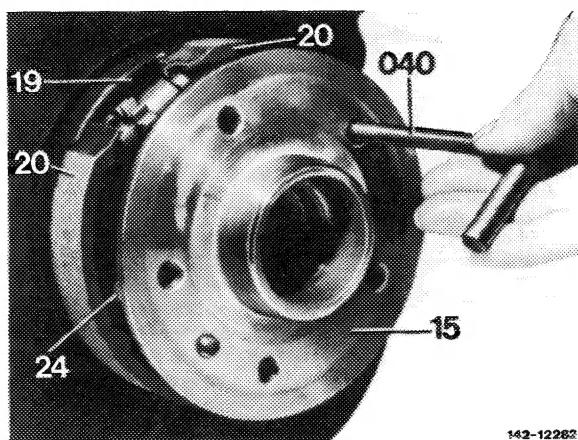
11 Insert adjusting device (21 to 23) into both brake shoes in such a manner that the adjusting wheel (22) is facing forward.

12 Attach restoring spring (29) to both brake shoes.

13 Pull brake shoes (20) apart, introduce over rear axle shaft flange (15) and attach to expanding lock.



14 Insert spring (24) laterally into brake shoes (20). Introduce installation tool (040) through a threaded hole of rear axle shaft flange (15), then compress spring slightly, turn by 90° and attach to cover ring (19). Make sure that the spring is correctly attached.



15 Attach spring (31) with small eye to brake shoes.

Note: The eyes of the restoring spring vary. For large eye refer to arrow.

16 Attach remover and installer (41) into large eye of restoring spring (31), then attach restoring spring to other brake shoes (20).

17 Install brake disc (42-228).

18 Adjust parking brake (42-540).

